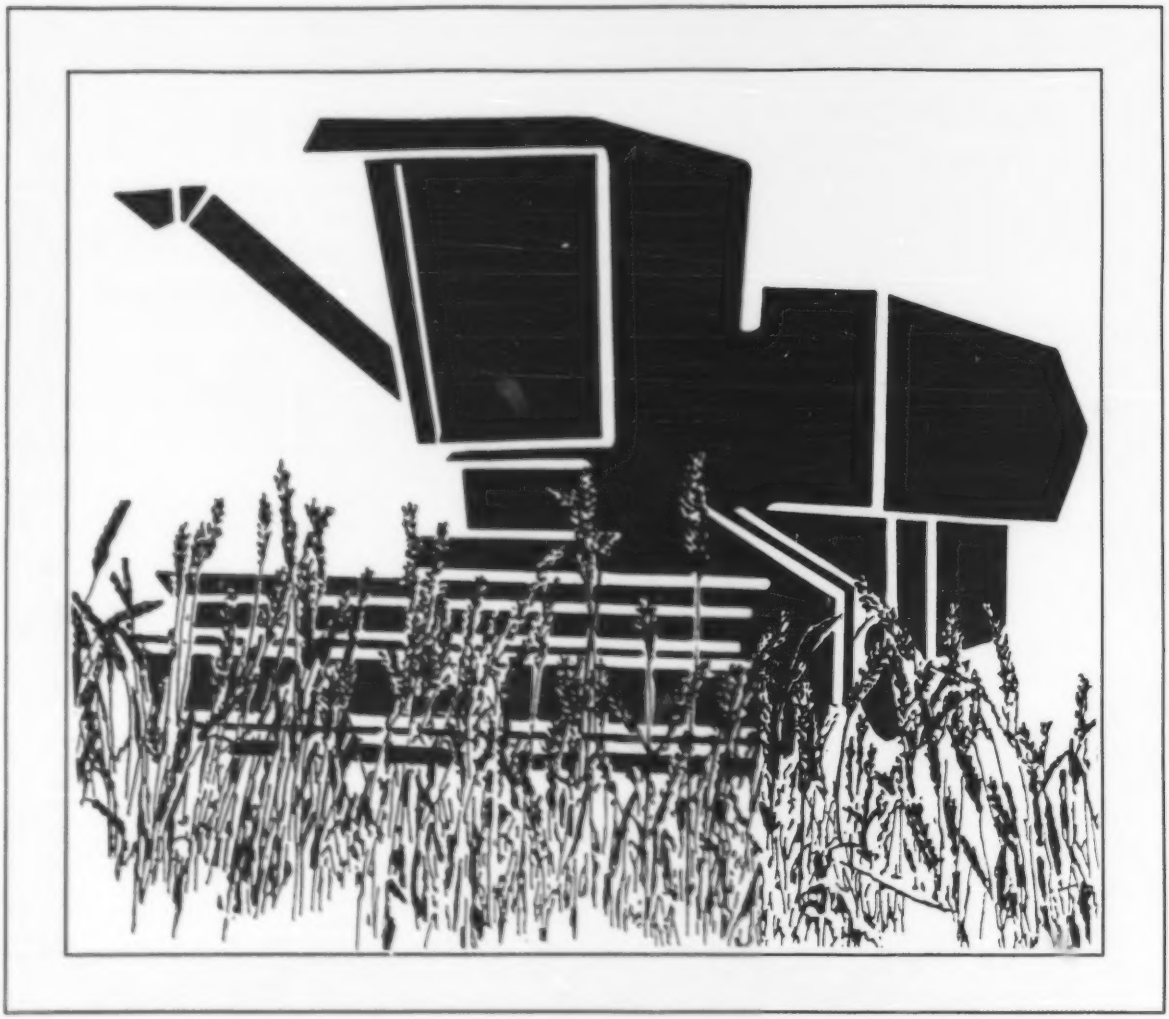
Economics Information

REPT. NO. 90-05 ISSN 0708-482X

A SURVEY OF CUSTOM FARMWORK RATES CHARGED IN ONTARIO, 1990

ISSN 0713-0449



MINISTRY OF AGRICULTURE AND FOOD
LEGISLATIVE BUILDINGS
TORONTO, ONTARIO M7A 1B6

Ontario

Ontario

Ministry of Agriculture and Food

91-07184/

ECONOMICS INFORMATION

REPORT NO. 90-05

A SURVEY OF CUSTOM FARMWORK RATES CHARGED IN ONTARIO, 1990

by
B. D. Burgess

Policy Analysis Branch
Ontario Ministry of Agriculture and Food
Legislative Buildings, Queen's Park
Toronto, Ontario
M7A 1B6
December 1990

ISSN 0713-0449
(sub-series)

THE MINISTRY OF AGRICULTURE AND FOOD ASSUMES NO LIABILITY OR RESPONSIBILITY AS A RESULT OF THE READER RELYING OR ACTING UPON THE INFORMATION CONTAINED HEREIN. ANY USE OR MISUSE OF THE INFORMATION IS THE SOLE RESPONSIBILITY OF THE READER.

TABLE OF CONTENTS

	Page
Forward	1
Observations and Comments on Custom Farmwork Services	2
Custom Tillage and Planting	2
Custom Weed Control and Fertilizer Application	2
Custom Harvesting Soybeans, Small Grains, and Corn	3
Custom Silo Filling	3
Custom Hay Harvesting	3

LIST OF TABLES

Table

1.	Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 1, Southern Ontario, 1990	4
2.	Rates for Custom Harvesting Operations, Area 1, Southern Ontario, 1990	5
3.	Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 2, South Western Ontario, 1990	6
4.	Rates for Custom Harvesting Operations, Area 2, South Western Ontario, 1990	7
5.	Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 3, Western Ontario, 1990	8
6.	Rates for Custom Harvesting Operations, Area 3, Western Ontario, 1990	9
7.	Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 4, Central Ontario, 1990	10
8.	Rates for Custom Harvesting Operations, Area 4, Central Ontario, 1990	11
9.	Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 5, Eastern Ontario, 1990	12
10.	Rates for Custom Harvesting Operations, Area 5, Eastern Ontario, 1990	13
11.	Rates for Custom Farmwork Operations, Area 6, Northern Ontario, 1990	14

Figure

1.	Regions of Ontario	iv

FORWARD

A survey of custom farmwork rates, charged during 1990, was conducted by the Policy Analysis Branch of the Ontario Ministry of Agriculture and Food. Over 860 survey forms were forwarded to custom operators, of which over 600 were returned. Each custom operator volunteered information on the types of custom services provided, schedule of rates charged during 1990, and the equipment and labour provided. The results were analyzed with averages and ranges being calculated. These results provide an update to the 1989 survey "Custom Farmwork Rates Charged in Ontario". All information provided was treated confidentially.

The results of the 1990 survey are presented in Tables 1 through 11. For analysis purposes, the Province has been divided into six areas. For each of the survey areas, the ranges of rates, the most frequently quoted rates, and the average rates are given for the most common operations performed.

Although the information in this report may be used as a guide by custom operators and farmers using custom services, **IT SHOULD NOT BE INTERPRETED AS RECOMMENDATIONS.**

The custom work survey rates are reported by areas which are defined as follows:

Area 1 - Southern Ontario: Essex, Kent, Lambton, Middlesex, and Elgin counties.

Area 2 - South Western Ontario: Oxford and Brant counties; and regional municipalities of Haldimand-Norfolk, Niagara, and Hamilton-Wentworth.

Area 3 - Western Ontario: Huron, Perth, Bruce, Grey, Wellington, Dufferin, and Simcoe counties; and regional municipalities of Waterloo, Peel, and Halton.

Area 4 - Central Ontario: Victoria, Northumberland, Peterborough, Hastings, Muskoka-Parry Sound, and Prince Edward counties; and regional municipalities of York and Durham.

Area 5 - Eastern Ontario: Lennox and Addington, Frontenac, Leeds, Lanark, Renfrew, Grenville, Dundas, Stormont, Russell, Prescott, and Glengarry counties; and the regional municipality of Ottawa-Carleton.

Area 6 - Northern Ontario: Algoma, Cochrane North and South, Kenora, Manitoulin, Nipissing, Rainy River, Sudbury, Thunder Bay and Timiskaming districts.

OBSERVATIONS AND COMMENTS ON CUSTOM FARMWORK SERVICES

The services offered by custom work operators plays an important role in Ontario's farming industry. Because of increased mechanization, farmers are viewing specialized machinery as a way to reduce labour requirements and increase their farm efficiency. By utilizing custom farmwork services they can obtain the benefits of these specialized machines without having to make a capital investment.

The custom rates being charged in any area usually reflect the supply and demand for custom work services. The data in this report indicates that custom rates can vary, in some cases quite widely. Rates are reported only for those custom operations for which there were a sufficient number of responses. Rates are quoted on a per acre or per hour basis.

Custom operators who know the operating costs for their machines as well as the conditions they will encounter, can compare their own rates with the survey rate averages reported for their area. Other farmers who are considering the purchase of new equipment for custom work can also review the rates being charged in their area before making their purchase decision.

These results are a guide only, and should be used as one of several factors in establishing custom rates.

CUSTOM TILLAGE AND PLANTING

Factors affecting rates - soil type and conditions
field size and shape
obstructions
type of crop residue
additional equipment used (packers, harrows)
time of season
applying fertilizer or pre-emergents

Most common practices - farmer delivered materials to the field
input costs were provided by the farmer

By using an hourly rate, custom operators can more easily calculate charges when field sizes are irregular or exact acreage unknown.

CUSTOM WEED CONTROL AND FERTILIZER APPLICATION

Factors affecting rates - type of spraying equipment used
availability of water
who supplied the water tanks
fertilizer applicator costs
who supplied or delivered anhydrous tanks

Most common practices - chemicals and fertilizer provided by the farmer.

CUSTOM HARVESTING SOYBEANS, SMALL GRAINS, AND CORN

Factors affecting rates - field conditions
crop lodging
weed growth or density
additional equipment (wagons, augers)
combine size

Most common practices - farmer hauled and unloaded grain

Trucking rates varied depending on the distance to the elevator, loading facilities, as well as the time of year.

Rates for drying operations varied among custom operators supplying this service, because of the different drying systems and methods of charging. Therefore, custom drying charges were not reported.

CUSTOM SILO FILLING

Rates for silo filling of corn were most commonly reported on an hourly basis. Two groups of silo filling equipment was common to all areas of Ontario and are defined in that section of the report.

Factors affecting rates - distances from field to silo
number and size of tractors
size and type of harvester
number of people supplied
blower type
number and type of forage wagons
crop density
tractor horsepower used on blower

Most common practices - farmer supplied additional labour and tractors

CUSTOM HAY HARVESTING

Factors affecting rates - size of bale
dropped in field or loaded
additional equipment used (stooker, thrower)

Most common practices - cutting and conditioning was one operation
cost of twine was included
farmer supplied additional labour, and wagons for loading

Table 1.--Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 1, Southern Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
		- dollars per acre -		
Tillage				
Plowing:				
Chisel	3	15.33	--	13.00- 17.00
Moldboard	41	15.75	15.00	12.00- 20.00
Para plowing	4	22.25	20.00	20.00- 25.00
Discing	20	8.32	10.00	6.00- 12.00
Cultivating	17	7.50	6.50	6.00- 10.00
Soil saver	8	13.40	--	10.00- 18.65
Planting				
Corn	31	10.37	10.00	7.50- 13.00
Soybeans	22	10.00	10.00	7.50- 15.00
Small Grains	16	9.65	--	8.00- 13.00
Minimum-till				
Small Grains	4	16.25	--	12.00- 20.00
Soybeans	4	16.75	--	14.00- 20.00
Weed Control				
Spraying	23	6.35	6.00	5.00- 8.00
Incorporating	11	10.40	10.00	8.00- 14.00
Row cultivating	12	6.50	6.00	5.00- 8.00
Rotary hoeing	5	5.00	--	3.00- 6.50
Fertilizing				
Anhydrous	6	9.00	10.00	7.00- 10.00
Sidedress corn	3	7.50	--	7.00- 8.00

Table 2.--Rates for Custom Harvesting Operations, Area 1, Southern Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Harvesting Corn				
Picking: per acre				
Seed corn[a]	4	40.00	40.00	40.00- 40.00
Combining: per acre . . .	61	30.80	30.00	27.00- 36.00
Trucking: per bushel . .	20	.15	--	.10- .20
per tonne . .	6	5.08	5.00	3.50- 7.00
Harvesting Small Grains and Soybeans, per acre				
Combining:				
Wheat	34	27.65	30.00	22.00- 32.00
Other small grains . . .	26	26.30	25.00	22.00- 36.00
Soybeans	64	29.45	30.00	25.00- 36.00
Forage Operations				
Swathing:				
Hay, per acre . . .	12	12.20	--	10.00- 15.00
Baling: per bale				
Small rectangular,				
on ground	9	.35	.35	.25- .45
on wagon	4	.45	--	.35- .55
Large round	7	6.75	--	6.00- 8.00
Silo filling[b]: per hour				
Group 1	8	95.71	100.00	80.00-100.00
Group 2	4	143.75	150.00	135.00-150.00
Snow Removal				
Blade, per hour . . .	4	58.75	60.00	50.00- 65.00

[a] Most operators supply a dump wagon with the picker.

[b] The following combinations were used:

Group 1: 1 or 2 tractors, 2-row PTO harvester, blower, wagons, and 2 persons.
Group 2: 1 to 3 tractors, SP 2- to 4-row harvester, blower, wagons, and 1 to 3 persons.

NOTE: Adjustments can be made in silo filling operations by allowing a rate per hour for each additional person and tractor supplied.

Table 3.--Rates for Custom Tillage, Planting, Weed Control, and Fertilizer Applications, Area 2, South Western Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
		- dollars per acre -		
Tillage				
Plowing:				
Moldboard	44	15.68	15.00	10.00- 20.00
Discing	30	9.08	--	6.00- 12.00
Cultivating	23	8.63	8.00	6.00- 15.00
Soil saver	15	14.12	12.00	12.00- 20.00
Planting				
Corn	41	10.79	10.00	8.00- 16.00
Soybeans	22	10.80	10.00	8.00- 14.00
Small grains	18	9.36	10.00	7.00- 12.00
Minimum-till				
Soybeans	3	16.67	15.00	15.00- 20.00
Weed Control				
Spraying	28	6.29	6.00	5.00- 10.00
Incorporating	7	12.29	--	10.00- 15.00
Fertilizing				
Anhydrous	3	8.50	--	7.00- 11.00

Table 4.--Rates for Custom Harvesting Operations, Area 2, South Western Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Harvesting Corn				
Combining: per acre . . .	61	32.43	30.00	28.00- 40.00
Trucking: per bushel . .	8	.15	.15	.14- .17
per tonne . .	20	6.15	6.00	4.00- 8.00
Harvesting Small Grains and Soybeans				
Combining:				
Wheat, per acre . . .	10	24.90	25.00	20.00- 29.00
Other small grains, per acre . . .	44	25.55	--	20.00- 30.00
Soybeans, per acre . . .	44	32.36	30.00	27.00- 40.00
Forage Operations				
Swathing:				
Hay, per acre . . .	16	12.13	--	10.00- 16.00
Raking;				
Hay, per acre . . .	4	5.25	6.00	3.00- 6.00
Baling: per bale				
Small rectangular				
on ground . .	7	.35	.35	.32- .40
on wagon . .	9	.48	.40	.35- .75
Large round				
4 x 4	3	5.83	6.00	5.00- 6.50
4 x 5	3	6.33	7.00	5.00- 7.00
Silo filling[a]: per hour				
Group 1	10	135.50	110.00	90.00-200.00
Group 2	6	141.88	150.00	91.00-175.00

[a] The following combinations were used:

Group 1: 1 or 2 tractors, 2-row PTO harvester, blower, wagons, and 2 persons.
Group 2: 1 to 3 tractors, SP 2- or 3-row harvester, blower, wagons, and 1 to 3 persons.

NOTE: Adjustments can be made in silo filling operations by allowing a rate per hour for each additional person and tractor supplied.

Table 5.--Rates for Custom Tillage, Planting, Weed Control, Fertilizer Applications, Area 3, Western Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars per acre -	
Tillage				
Plowing:				
Chisel	6	11.67	--	9.00- 14.50
Moldboard	64	15.12	15.00	12.00- 20.00
Discing	20	8.78	8.00	6.50- 12.00
Cultivating	40	7.31	7.00	4.75- 11.00
Harrow and pack	3	5.17	--	4.50- 6.00
Soil saver	11	12.77	--	10.00- 16.50
Planting				
Corn	69	10.43	10.00	7.00- 14.00
Soybeans	16	10.13	10.00	8.00- 12.00
Small grains	47	9.65	10.00	5.00- 14.00
Minimum-till				
Grains	6	14.50	10.00	10.00- 20.00
Weed Control				
Spraying	46	5.78	6.00	3.25- 8.50
Incorporating	8	11.31	10.00	10.00- 14.00
Row cultivating	5	5.90	6.50	5.00- 6.50
Rotay hoeing	4	5.31	5.00	5.00- 6.00
Fertilizing				
Dry fertilizer	3	6.08	--	5.25- 8.00

Table 6.--Rates for Custom Harvesting Operations, Area 3, Western Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Harvesting Corn				
Combining:				
per acre . . .	94	32.12	30.00	28.00- 40.00
per hour . . .	9	129.45	120.00	110.00-160.00
Trucking: per tonne	24	5.71	5.00	3.00- 8.00
Harvesting Small Grains and Soybeans				
Combining:				
Small grains,				
per acre . . .	84	25.85	25.00	18.00- 32.00
per hour . . .	6	109.17	100.00	100.00-125.00
Swathed grains,				
per acre . . .	10	24.90	24.00	20.00- 30.00
Wheat, per acre . . .	22	25.89	26.00	22.00- 30.00
Soybeans,				
per acre . . .	68	30.71	30.00	24.00- 40.00
Swathing:				
Small grains,				
per acre . . .	25	9.74	--	8.00- 12.00
Harvesting White Beans, per acre				
Pulling & windrowing . . .	12	18.83	--	10.00- 30.00
Combining, straight	13	34.23	35.00	31.00- 40.00
swathed	7	30.43	35.00	25.00- 35.00
Forage Operations				
Swathing:				
Hay, per acre . . .	34	11.22	10.00	7.00- 15.00
per hour . . .	9	46.11	40.00	30.00- 75.00
Baling: per bale				
Small rectangular				
on ground	10	.37	.40	.25- .45
on wagon	13	.39	.40	.30- .50
Large round				
4 x 4	8	4.53	4.00	4.00- 5.50
4 x 5	28	5.48	5.00	5.00- 7.00
5 x 5	3	6.67	7.00	6.00- 7.00
Silo filling[a]: per hour				
Group 1	9	103.67	90.00	80.00-135.00
Group 2	5	146.00	130.00	120.00-225.00
Snow Removal				
Blower, per hour . . .	18	61.67	50.00	40.00-100.00

[a] The following combinations were used:

Group 1: 1 or 2 tractors, 2-row PTO harvester, wagons, blower, and 2 persons.
Group 2: 1 to 3 tractors, SP 2- or 3-row harvester, blower, wagons, and 1 to 3 persons.

NOTE: Adjustments can be made in silo filling operations by allowing a rate per hour for each additional person and tractor supplied.

Table 7.--Rates for Custom Tillage, Planting, Weed Control, Fertilizer Applications, Area 4, Central Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Tillage				
Plowing:				
Moldboard, per acre	29	16.26	15.00	10.00- 23.00
Discing:				
per acre	12	9.83	--	7.00- 14.00
Cultivating:				
per acre	20	8.08	8.00	6.00- 10.00
Soil Saver	3	13.33	15.00	10.00- 15.00
Stone Picking				
per hour	3	36.67	--	30.00- 45.00
			- dollars per acre -	
Planting				
Corn	33	10.50	10.00	7.50- 13.00
Small grains	15	9.53	10.00	7.00- 11.00
Minimum-till				
Soybeans	3	18.67	20.00	16.00- 20.00
Grains	3	18.33	20.00	15.00- 20.00
Weed Control				
Spraying	20	6.08	6.00	5.00- 7.50

Table 8.--Rates for Custom Harvesting Operations, Area 4, Central Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Harvesting Corn				
Combining: per acre . . .	30	31.50	30.00	25.00- 38.00
Trucking: per tonne . .	18	7.44	7.00	5.00- 10.00
Harvesting Small Grains and Soybeans				
Combining:				
Grains, per acre . . .	37	27.19	25.00	24.00- 35.00
Soybeans, per acre . . .	18	30.72	30.00	25.00- 35.00
Swathing:				
Small grains, per acre . . .	3	9.67	--	8.00- 12.00
Forage Operations				
Swathing:				
Hay, per acre . . .	18	12.42	12.00	10.00- 15.00
per hour . . .	8	36.42	35.00	30.00- 45.00
Baling: per bale				
Small rectangular				
on ground . .	11	.37	.35	.28- .50
on wagon . .	6	.41	.35	.35- .50
Large round				
4 x 4	8	4.44	4.00	4.00- 5.00
4 x 5	16	6.09	--	5.00- 7.00
4 x 6	4	6.63	--	5.00- 8.50
5 x 6	3	9.00	--	6.00- 12.00
Silo filling[a]: per hour				
Group 1	9	68.11	55.00	52.00- 90.00
Group 2	6	141.67	100.00	100.00-275.00
Snow Removal				
Blower, per hour . . .	10	47.50	35.00	35.00- 70.00
Blade, per hour . . .	4	41.00	--	35.00- 45.00

[a] The following combinations were used:
Group 1: 1 or 2 tractors, 2-row PTO harvester, wagons, blower, and 1 or 2 persons.
Group 2: 1 to 3 tractors, SP 2- or 3-row harvester, wagons, blower, and 1 to 3 persons.

NOTE: Adjustments can be made in silo filling operations by allowing a rate per hour for each additional person and tractor supplied.

Table 9.--Rates for Custom Tillage, Planting, Weed Control, Fertilizer Applications, Area 5, Eastern Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Tillage				
Plowing:				
Moldboard,				
per acre	19	18.11	--	15.00- 24.00
per hour	14	59.29	--	25.00- 85.00
Discing:				
per acre	10	9.05	10.00	6.00- 10.00
per hour	5	63.00	50.00	50.00-100.00
Cultivating:				
per acre	9	8.14	8.00	6.00- 9.75
per hour	3	70.00	--	50.00-100.00
Planting				
Corn, per acre	26	11.14	10.00	8.00- 15.00
per hour	5	67.00	60.00	50.00- 85.00
Small grains,				
per acre	5	9.50	8.00	8.00- 12.00
Weed Control				
Spraying:				
per acre	20	7.03	--	5.00- 10.00

Table 10.--Rates for Custom Harvesting Operations, Area 5, Eastern Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Harvesting Corn				
Combining:				
per acre . . .	20	31.85	30.00	25.00- 39.00
per hour . . .	23	111.96	100.00	75.00-160.00
Trucking: per tonne . .	8	6.03	5.00	5.00- 9.00
Harvesting Small Grains and Soybeans				
Combining:				
Small grains,				
per acre . . .	11	26.36	25.00	25.00- 30.00
per hour . . .	22	93.41	90.00	75.00-135.00
Soybeans, per acre . . .	8	31.75	37.00	25.00- 37.00
per hour . . .	7	109.29	--	85.00-135.00
Swathing:				
Small grains,				
per acre . . .	4	9.63	10.00	8.50- 10.00
Forage Operations				
Swathing:				
Hay, per acre . . .	6	11.58	--	9.00- 15.00
per hour . . .	9	45.00	40.00	30.00- 65.00
Baling: per bale				
Large round				
4 x 4	7	4.66	5.00	4.00- 5.00
4 x 5	13	5.44	5.00	5.00- 6.00
5 x 6	3	8.00	7.00	7.00- 10.00
Silo filling[a]: per hour				
Group 1	11	98.64	100.00	75.00-120.00
Group 2	7	145.00	--	120.00-180.00
Snow Removal				
Blower, per hour . . .	12	55.42	40.00	30.00- 85.00

[a] The following combinations were used:

Group 1: 1 or 2 tractors, 2-row PTO harvester, wagons, blower, and 1 or 2 persons.
Group 2: 1 to 3 tractors, SP 2- or 3-row harvester, blower, wagons, and 1 to 3 persons.

NOTE: Adjustments can be made in silo filling operations by allowing a rate per hour for each additional person and tractor supplied.

Table 11.--Rates for Custom Farmwork Operations, Area 6, Northern Ontario, 1990

Operation	Number Reporting	Average	Most Frequent	Range
			- dollars -	
Tillage				
Plowing, per hour . . .	4	35.00	--	25.00- 45.00
Discing, per hour . . .	3	50.00	--	40.00- 60.00
Weed Control				
Spraying, per acre . . .	6	5.25	6.00	3.00- 7.00
Harvesting Small Grains				
Swathing:				
Small grains, per hour . . .	8	80.00	80.00	50.00-100.00
Combining:				
Corn, per acre . . .	3	30.33	--	28.00- 33.00
Forage Operations				
Swathing:				
Hay, per hour . . .	5	36.40	--	32.00- 40.00
Baling:				
Large round, per bale				
4 x 5	10	5.15	5.00	4.00- 7.00
5 x 6	4	6.25	--	5.00- 7.50

RECENT PUBLICATIONS
POLICY ANALYSIS BRANCH
ONTARIO MINISTRY OF AGRICULTURE AND FOOD

Survey of Pesticide Use in Ontario, 1988, by Jackie Moxley. Economics Information, Rept. No. 89-08, July 1989.

Agricultural Statistics for Ontario, 1989, by Statistical Services Unit, Publication 20, August 1990.

Grain and Forage Crops: Estimated Production Costs, Ontario, 1989, by Dave Hope, Blair Campbell, and Barbara Burgess. Economics Information, Rept. No. 89-05, August 1989.

Apple, Peach and Grape: Estimated Establishment Costs, Ontario, 1989, by E.D. McKibbon. Economics Information, Rept. No. 89-03, August 1989.

Vegetable Crops: Estimated Production Costs, Ontario, 1989, by Dave Hope, Blair Campbell, E.D. McKibbon, and Barbara Burgess. Economics Information, Rept. No. 89-06, September 1989.

Fruit Crops: Estimated Production Costs, Ontario, 1989, by E.D. McKibbon. Economics Information, Rept. No. 89-04, September 1989.

Cash Rental Rates in Ontario, 1988, by G.A. Fisher. Economics Information, Rept. No. 88-10, July 1988.

Ontario Livestock Cost of Production, 1989, by Jim Fisher. Economics Information, Rept. No. 90-01, May 1990.

Economics of Cow-Calf Production, Ontario, 1987, by Jim Fisher. Economics Information, No. 89-09, August, 1989.

Economics of Beef Feedlot Production, Ontario, 1987, by Jim Fisher. Economics Information, No. 89-10, August, 1989.

Economics of Swine Production, Ontario, 1988, by Jim Fisher. Economics Information, No. 89-12, September, 1989.

Economics of Sheep Production, Ontario, 1987, by Jim Fisher. Economics Information, No. 89-11, August, 1989.

Maple Syrup Production Costs in Ontario, by Dirk Buth. Economics Information, Rept. No. 88-02, February 1988.

List of Branch Publications - 1990, Rept. No. 90-06, December 1990.

Rural Real Estate Prices in Ontario, 1985-1988, by Mel Rankin, Martin J. Bohl and Gary Lentz. Rept. No. 90-07, Dec. 1990.

Single copies of the above publications are available on request from the Consumer Information Centre, Ontario Ministry of Agriculture and Food, Ground Floor, 801 Bay Street, Toronto, Ontario, M7A 2B2. (416) 326-3400.

ISSN 0713-0449